

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1639MLS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 14:24:29 ON 08 FEB 2005

=> array (s) wash? (w) DNA

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> fil medline biosis caplus embase wpids

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'MEDLINE' ENTERED AT 14:25:40 ON 08 FEB 2005

FILE 'BIOSIS' ENTERED AT 14:25:40 ON 08 FEB 2005

Copyright (c) 2005 The Thomson Corporation.

FILE 'CAPLUS' ENTERED AT 14:25:40 ON 08 FEB 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 14:25:40 ON 08 FEB 2005

COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved.

FILE 'WPIDS' ENTERED AT 14:25:40 ON 08 FEB 2005

COPYRIGHT (C) 2005 THE THOMSON CORPORATION

=> array (s) wash? (w) DNA

L1 1 ARRAY (S) WASH? (W) DNA

=> d ibib abs 11

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:101364 CAPLUS

DOCUMENT NUMBER: 134:159830

TITLE: Methods and apparatus for nanoscale nucleic acid template capture and normalization for submicroliter reaction and uses in submicroliter DNA sequencing

INVENTOR(S): Hadd, Andy; Jovanovich, Stevan

PATENT ASSIGNEE(S): Molecular Dynamics, Inc., USA

SOURCE: PCT Int. Appl., 131 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 5

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009389	A2	20010208	WO 2000-US21182	20000802
WO 2001009389	A3	20010816		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				

CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6423536	B1	20020723	US 2000-577199	20000523
CA 2380794	AA	20010208	CA 2000-2380794	20000802
EP 1203099	A2	20020508	EP 2000-952450	20000802
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003505110	T2	20030212	JP 2001-513644	20000802
PRIORITY APPLN. INFO.:				
			US 1999-146732P	P 19990802
			US 2000-577199	A 20000523
			WO 2000-US21182	W 20000802

AB Methods for preparing nanoscale reactions using nucleic acids are presented. Nucleic acids are captured saturably, yet reversibly, on the internal surface of the reaction chamber, typically a capillary. Excess nucleic acid is removed and the reaction is performed directly within the capillary. Alternatively, the saturably bound nucleic acid is eluted, dispensing a metered amount of nucleic acid for subsequent reaction in a sep. chamber. Devices for effecting the methods of the invention and a system designed advantageously to utilize the methods for high throughput nucleic acid sequencing reactions using capillary array electrophoresis are also provided.

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.32	15.74
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

FILE 'STNGUIDE' ENTERED AT 14:26:43 ON 08 FEB 2005  
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
 COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE  
 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Feb 4, 2005 (20050204/UP).

=> fil medline biosis caplus embase wpids

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.18	15.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

FILE 'MEDLINE' ENTERED AT 14:28:16 ON 08 FEB 2005

FILE 'BIOSIS' ENTERED AT 14:28:16 ON 08 FEB 2005  
 Copyright (c) 2005 The Thomson Corporation.

FILE 'CAPLUS' ENTERED AT 14:28:16 ON 08 FEB 2005  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 14:28:16 ON 08 FEB 2005  
 COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved.

FILE 'WPIDS' ENTERED AT 14:28:16 ON 08 FEB 2005

COPYRIGHT (C) 2005 THE THOMSON CORPORATION

=> array and wash? and DNA  
L2 434 ARRAY AND WASH? AND DNA

=> thermophore? and 12  
L3 0 THERMOPHORE? AND L2

=> thermal (w) gradient and 12  
L4 1 THERMAL (W) GRADIENT AND L2

=> d ibib abs 14

L4 ANSWER 1 OF 1 MEDLINE on STN  
ACCESSION NUMBER: 2003105480 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12618377  
TITLE: Genotyping on a **thermal gradient DNA** chip.  
AUTHOR: Kajiyama Tomoharu; Miyahara Yuji; Kricka Larry J; Wilding Peter; Graves David J; Surrey Saul; Fortina Paolo  
CORPORATE SOURCE: Department of Pediatrics, The Children's Hospital of Philadelphia and University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104, USA.  
CONTRACT NUMBER: P60-HL38632 (NHLBI)  
R21CA83220-01A1 (NCI)  
SOURCE: Genome research, (2003 Mar) 13 (3) 467-75.  
Journal code: 9518021. ISSN: 1088-9051.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200304  
ENTRY DATE: Entered STN: 20030306  
Last Updated on STN: 20030416  
Entered Medline: 20030411

AB Silicon-based chips with discrete, independently temperature-controlled islands have been developed for use in **DNA** microarray hybridization studies. Each island, containing a heater made of a diffusion layer and a temperature sensor based on a p-n junction, is created on a silicon dioxide/nitride surface by anisotropic etching. Different reactive groups are subsequently added to the surface of the islands, and allele-specific oligonucleotide probes are attached to discrete spots on the chip. Hybridization is performed with Cy5-tagged single-stranded targets derived by PCR from genomic **DNA**. Results are assessed by measuring fluorescence of bound dye-tagged targets after hybridization and **washing**. Temperatures at each island can be set at different values to obtain optimal distinction between perfect matches and mismatches. This approach facilitates definition of optimal temperatures for probe/target annealing and for distinction between perfectly matched versus mismatched solution-phase targets. The **thermal gradient DNA** chips were then tested for genotyping, and the results for four different loci in two genes are presented. Unambiguous typing was achieved for clinically relevant loci within the factor VII and hémochromatosis genes.

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.56	34.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

CA SUBSCRIBER PRICE

ENTRY      SESSION  
0.00      -0.73

STN INTERNATIONAL LOGOFF AT 14:30:24 ON 08 FEB 2005